

ABSTRACT

OBJECTIVES

To determine if the levels of liver enzymes are elevated in asphyxiated babies. To determine the sensitivity and specificity of the same in predicting the severity of asphyxia.

STUDY DESIGN

Cord blood levels of liver enzymes were collected from 65 asphyxiated and 65 non asphyxiated babies and their elevation after 24 hours was compared.

RESULTS

Cord blood Serum levels and the rate of elevation after 24 hours of ALT, AST. LDH also correlates significantly with asphyxia ($p < 0.01$) sensitivity and specificity of liver enzymes in predicting severity of asphyxia is 95.4 and 93.8 respectively.

CONCLUSION

Cord blood liver enzymes are elevated in perinatal hypoxia and their elevation predicts the severity of asphyxia.

KEYWORDS

Liver enzymes, Perinatalhypoxia, ALT, AST, LDH.